

Test Report No.50349154 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50349154 001Appendix D)

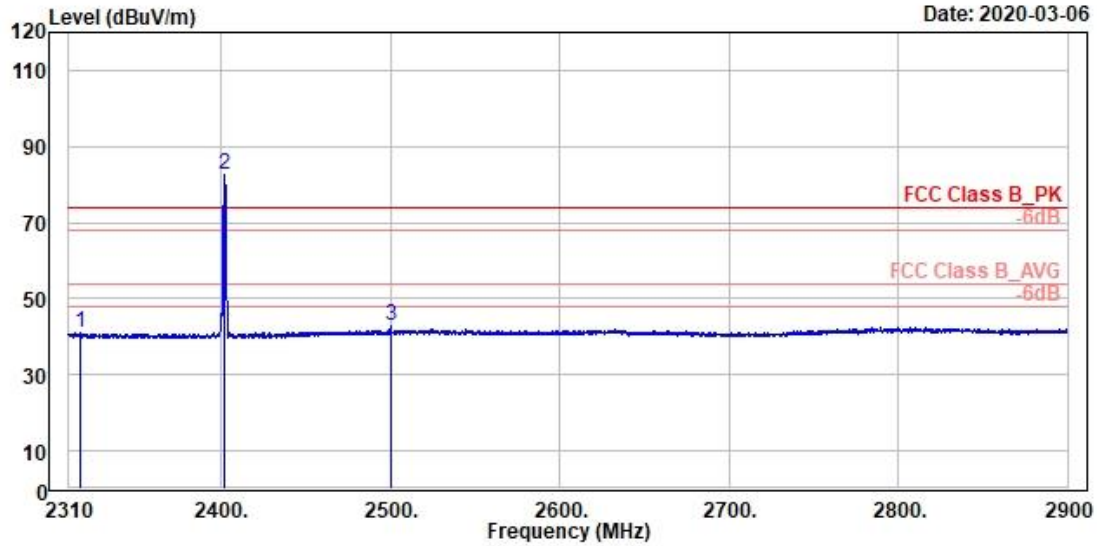
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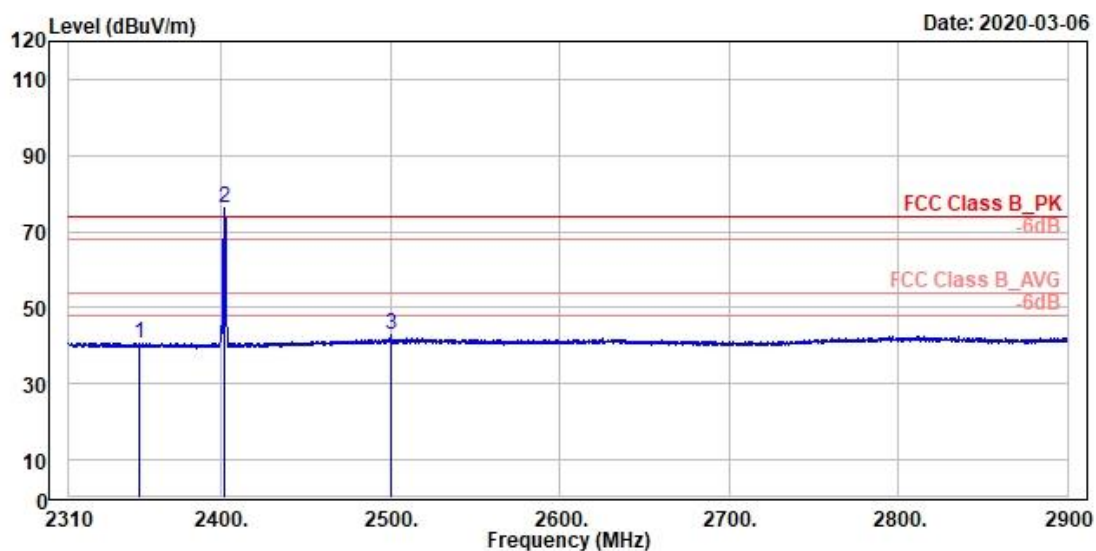
Spurious Emissions, Bandedge



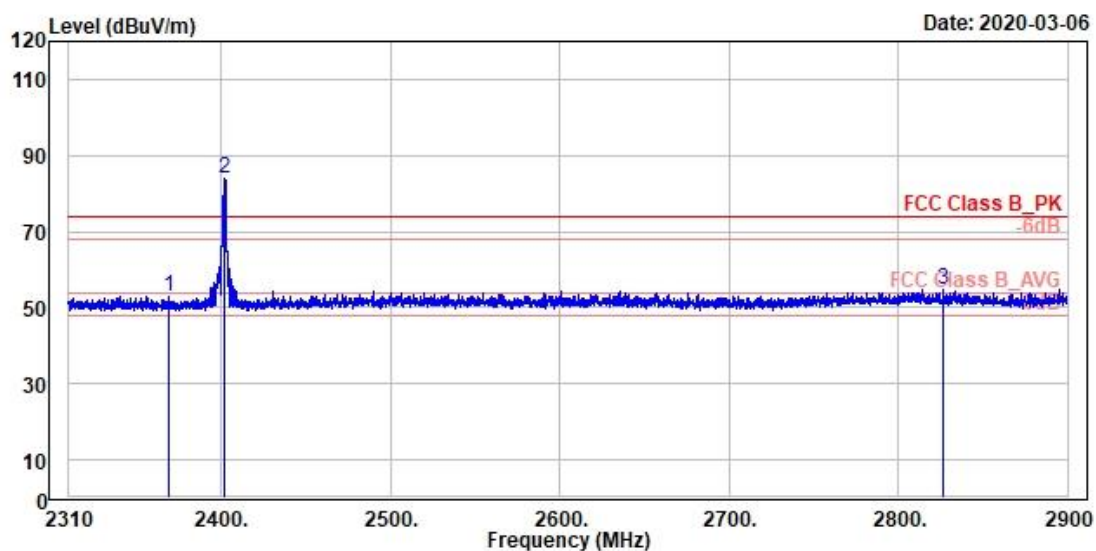
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



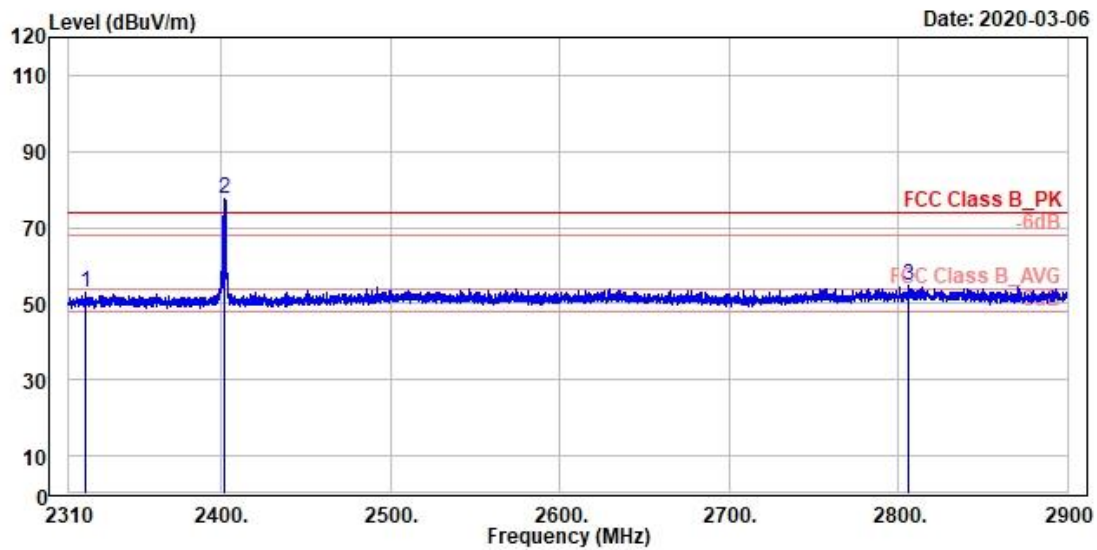
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2316.490	40.99	3.86	37.13	54.00	-13.01	146	212	Average	Horizontal
2 *	2402.000	82.77	45.62	37.15	54.00	28.77	146	212	Average	Horizontal
3	2500.098	42.76	5.10	37.66	54.00	-11.24	146	212	Average	Horizontal



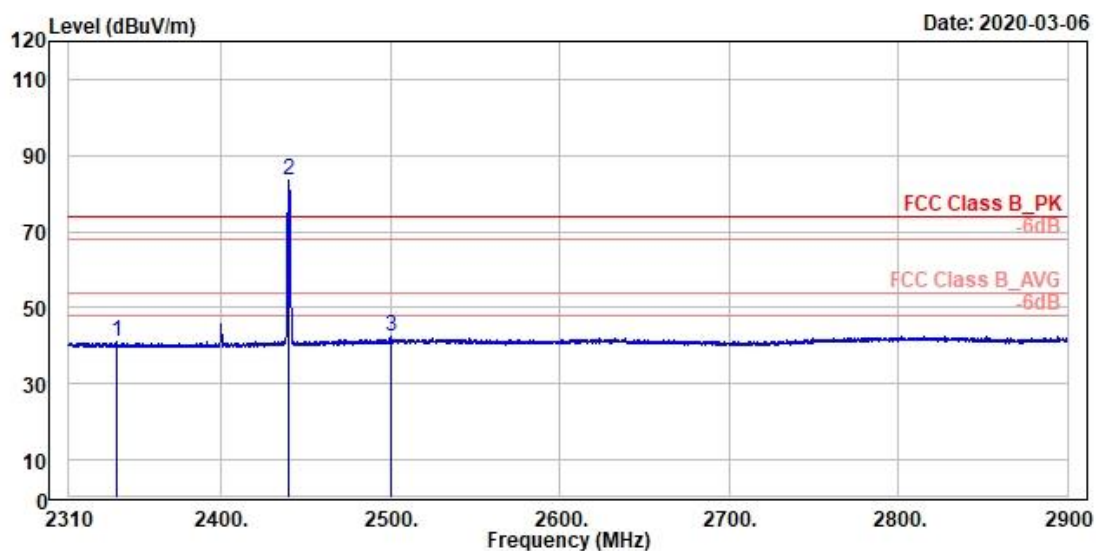
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2352.008	40.71	3.53	37.18	54.00	-13.29	105	198	Average	Vertical
2 *	2402.000	76.40	39.25	37.15	54.00	22.40	105	198	Average	Vertical
3	2500.098	42.73	5.07	37.66	54.00	-11.27	105	198	Average	Vertical



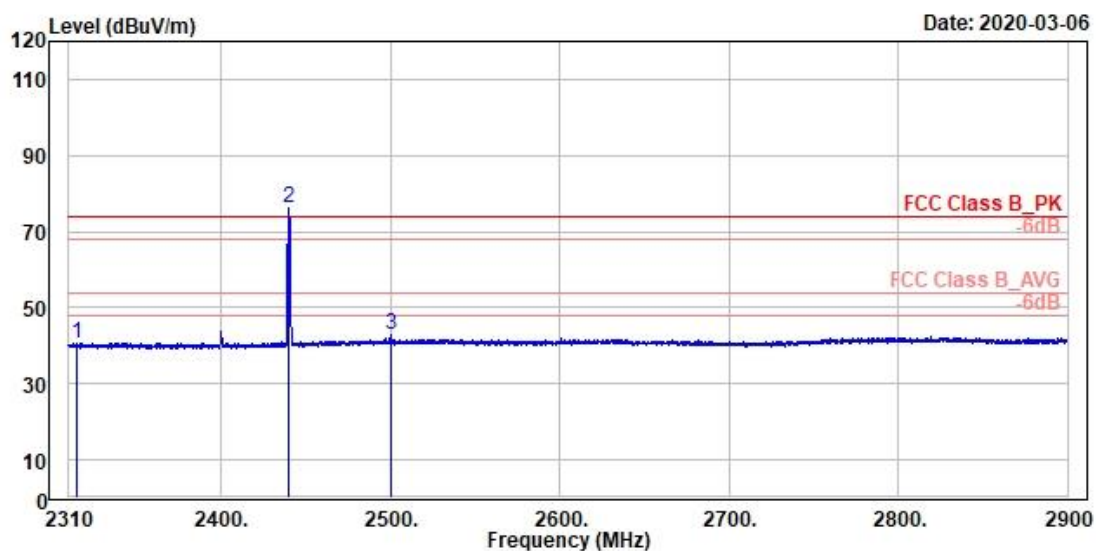
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2368.646	53.00	15.84	37.16	74.00	-21.00	146	212	Peak	Horizontal
2 *	2402.000	83.82	46.67	37.15	74.00	9.82	146	212	Peak	Horizontal
3	2826.368	54.88	16.77	38.11	74.00	-19.12	146	212	Peak	Horizontal



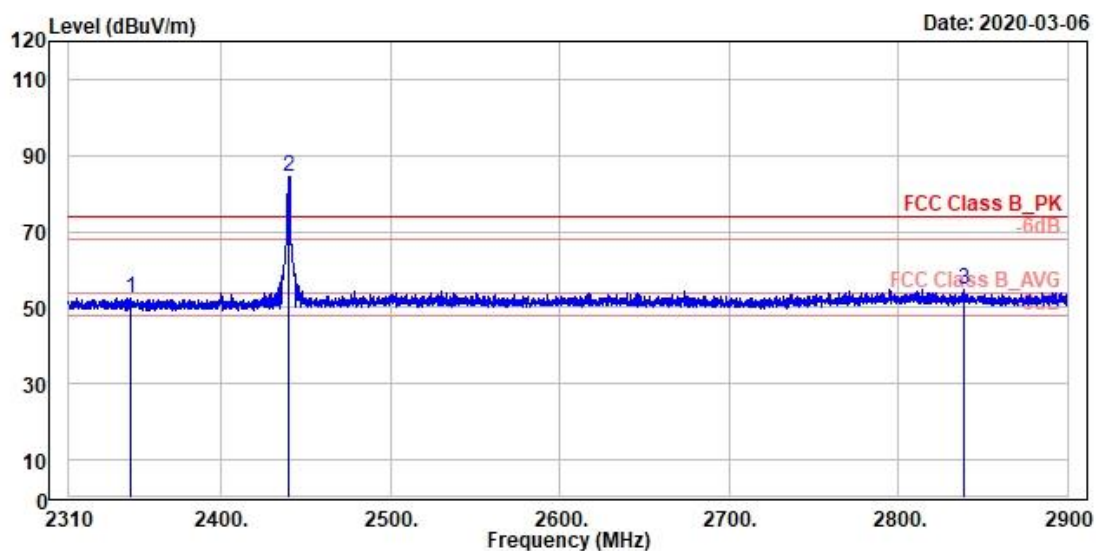
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2320.030	53.09	15.95	37.14	74.00	-20.91	105	198	Peak	Vertical
2 *	2402.000	77.55	40.40	37.15	74.00	3.55	105	198	Peak	Vertical
3	2806.072	54.79	16.67	38.12	74.00	-19.21	105	198	Peak	Vertical



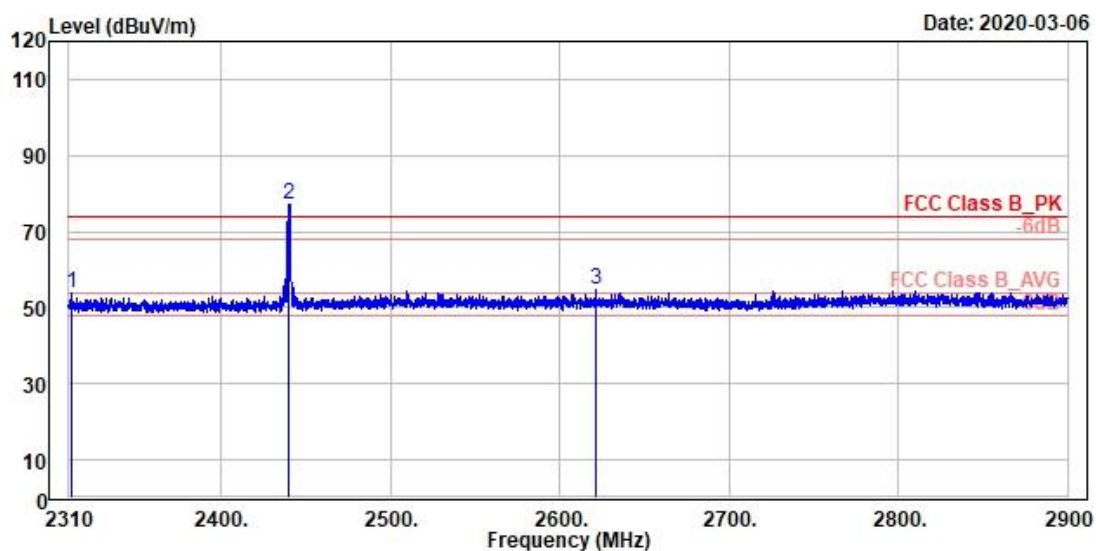
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2338.438	40.85	3.69	37.16	54.00	-13.15	201	225	Average	Horizontal
2 *	2440.000	83.45	46.10	37.35	54.00	29.45	201	225	Average	Horizontal
3	2499.980	42.58	4.92	37.66	54.00	-11.42	201	225	Average	Horizontal



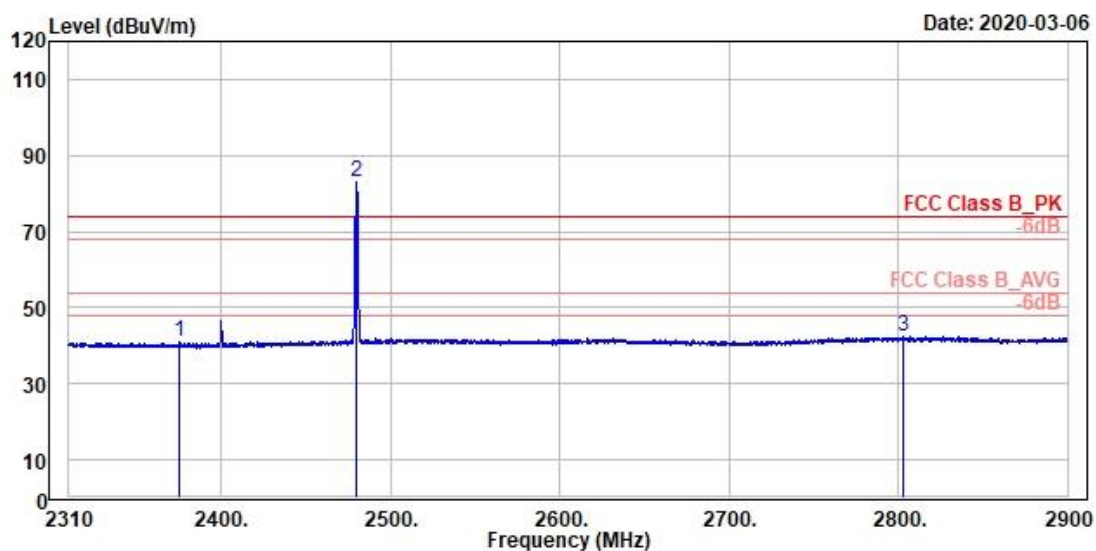
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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2314.484	40.72	3.59	37.13	54.00	-13.28	103	188	Average	Vertical
2 *	2440.000	76.11	38.76	37.35	54.00	22.11	103	188	Average	Vertical
3	2499.980	42.77	5.11	37.66	54.00	-11.23	103	188	Average	Vertical



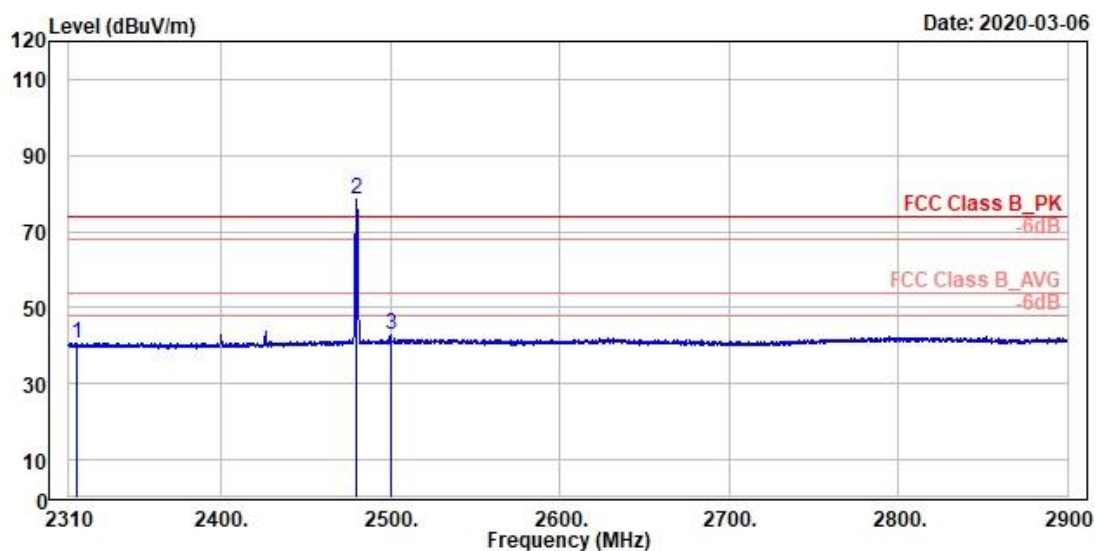
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2346.580	52.52	15.35	37.17	74.00	-21.48	201	225	Peak	Horizontal
2 *	2440.000	84.53	47.18	37.35	74.00	10.53	201	225	Peak	Horizontal
3	2838.640	54.81	16.72	38.09	74.00	-19.19	201	225	Peak	Horizontal



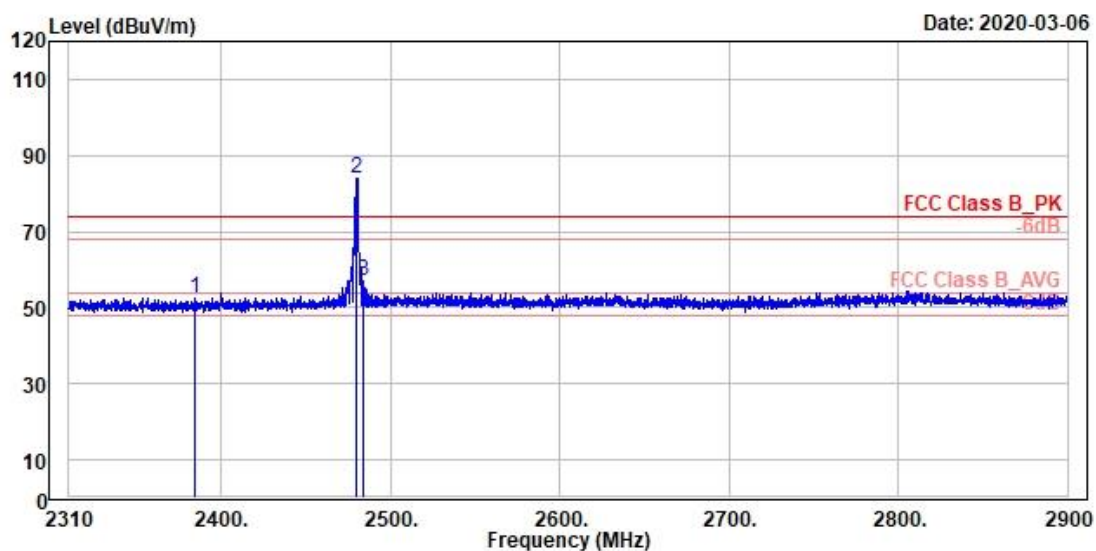
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2312.006	53.65	16.52	37.13	74.00	-20.35	103	188	Peak	Vertical
2 *	2440.000	77.27	39.92	37.35	74.00	3.27	103	188	Peak	Vertical
3	2621.638	54.54	16.86	37.68	74.00	-19.46	103	188	Peak	Vertical



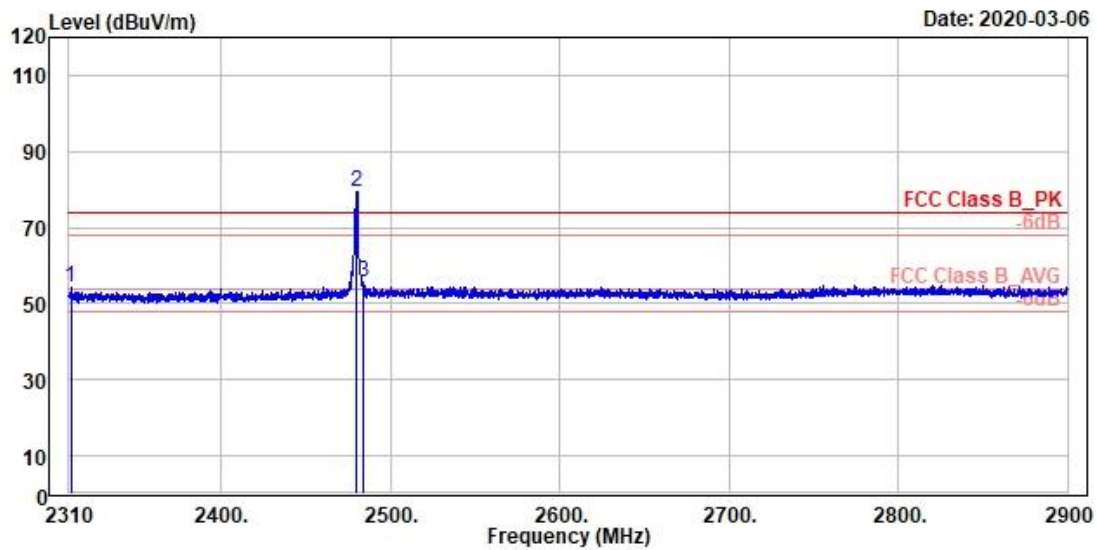
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2374.900	41.00	3.85	37.15	54.00	-13.00	196	223	Average	Horizontal
2 *	2480.000	82.88	45.32	37.56	54.00	28.88	196	223	Average	Horizontal
3	2803.004	42.28	4.16	38.12	54.00	-11.72	196	223	Average	Horizontal



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2314.248	40.73	3.60	37.13	54.00	-13.27	101	188	Average	Vertical
2 *	2480.000	78.44	40.88	37.56	54.00	24.44	101	188	Average	Vertical
3	2500.098	42.81	5.15	37.66	54.00	-11.19	101	188	Average	Vertical



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2384.694	52.60	15.45	37.15	74.00	-21.40	196	223	Peak	Horizontal
2 *	2480.000	83.89	46.33	37.56	74.00	9.89	196	223	Peak	Horizontal
3	2484.050	57.11	19.53	37.58	74.00	-16.89	196	223	Peak	Horizontal

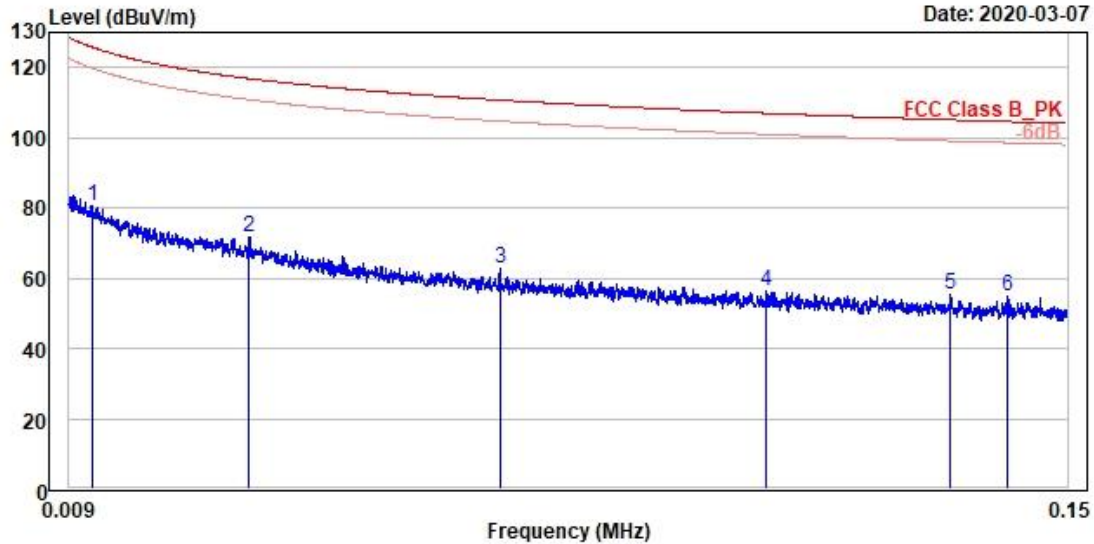


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2311.062	54.29	17.16	37.13	74.00	-19.71	101	189	Peak	Vertical
2 *	2480.000	79.62	42.06	37.56	74.00	5.62	101	189	Peak	Vertical
3	2483.578	55.56	17.99	37.57	74.00	-18.44	101	189	Peak	Vertical

Spurious Emissions, TX Mode, 9kHz-30MHz

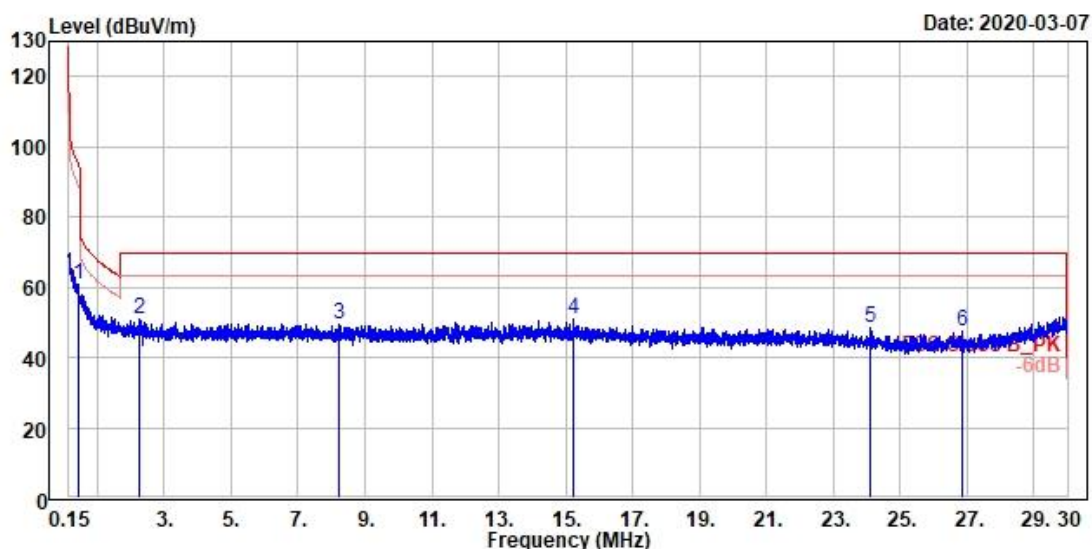


TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao., Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Site : 3m_Semi-Anechoic_Chamber(966_D)
Condition : FCC Class B_PK vertical
Test Engineer: Simon Tsai
Product : RIGHTEST Continuous Glucose Monitoring System(CGMS)
Model NO : HM312 , HM310
Test Rating : 5Vdc
Tmp/Hum : 24.7°C/58.9%
Mode : TX_LE_1M_2480MHz
Power setting: Default
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.012	80.77	3.32	77.45	125.86	-45.09	100	174	QP	vertical
2	0.034	71.62	2.31	69.31	116.84	-45.22	100	117	QP	vertical
3	0.070	62.80	0.43	62.37	110.71	-47.91	100	170	QP	vertical
4	0.108	56.56	-2.25	58.81	106.97	-50.41	100	5	QP	vertical
5	0.134	55.32	-1.99	57.31	105.09	-49.77	100	141	QP	vertical
6	0.142	54.87	-1.97	56.84	104.58	-49.71	100	147	QP	vertical



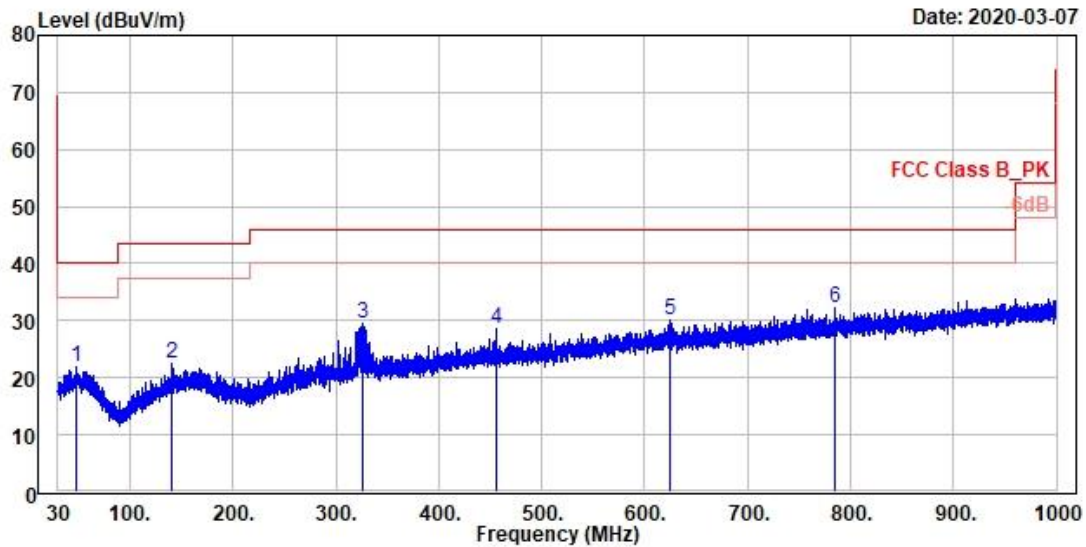
Site : 3m_Semi-Anechoic_Chamber(966_D)
Condition : FCC Class B_PK vertical
Test Engineer: Simon Tsai
Product : RIGHTEST Continuous Glucose Monitoring System(CGMS)
Model NO : HM312 , HM310
Test Rating : 5Vdc
Tmp/Hum : 24.7°C/58.9%
Mode : TX_LE_1M_2480MHz
Power setting: Default
Plane : E2

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.437	60.70	12.92	47.78	94.80	-34.10	100	349	QP	vertical
2	2.275	50.99	12.43	38.56	69.50	-18.51	100	300	QP	vertical
3	8.245	49.50	11.49	38.01	69.50	-20.00	100	333	QP	vertical
4	15.230	50.84	13.16	37.68	69.50	-18.66	100	241	QP	vertical
5	24.129	48.52	13.75	34.77	69.50	-20.98	100	241	QP	vertical
6	26.842	47.46	13.16	34.30	69.50	-22.04	100	90	QP	vertical

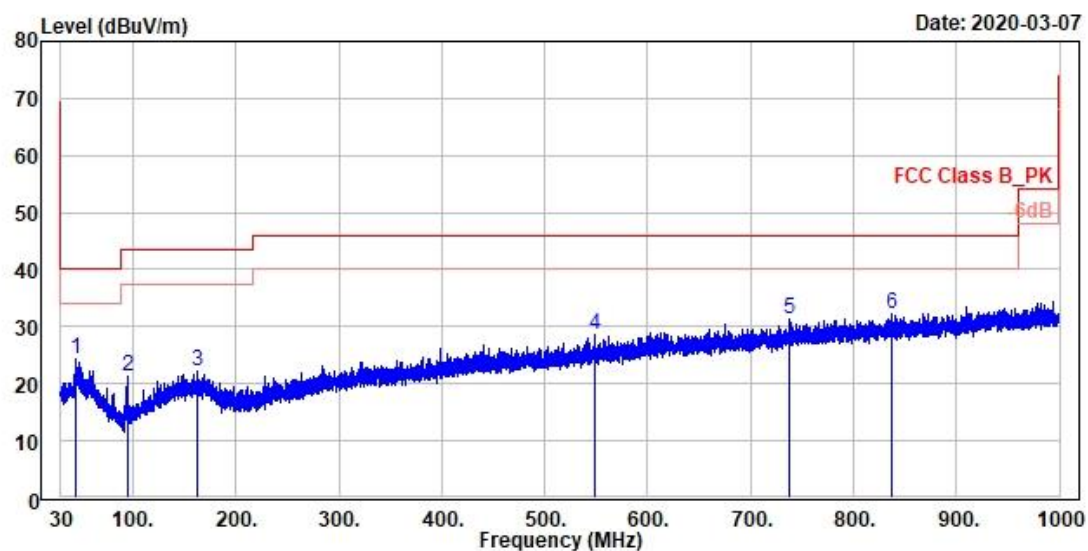
Spurious Emissions, TX Mode, 30MHz-1GHz



TUV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel:+886-2172-1000 Fax:+886-2172-1322



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	47.363	22.05	28.09	-6.04	40.00	-17.95	200	13	QP	horizontal
2	140.095	22.38	29.00	-6.62	43.50	-21.12	200	360	QP	horizontal
3	325.753	29.46	33.63	-4.17	46.00	-16.54	100	352	QP	horizontal
4	456.024	28.51	30.72	-2.21	46.00	-17.49	200	132	QP	horizontal
5	625.483	30.22	29.78	0.44	46.00	-15.78	200	297	QP	horizontal
6	785.727	32.13	29.47	2.66	46.00	-13.87	200	77	QP	horizontal

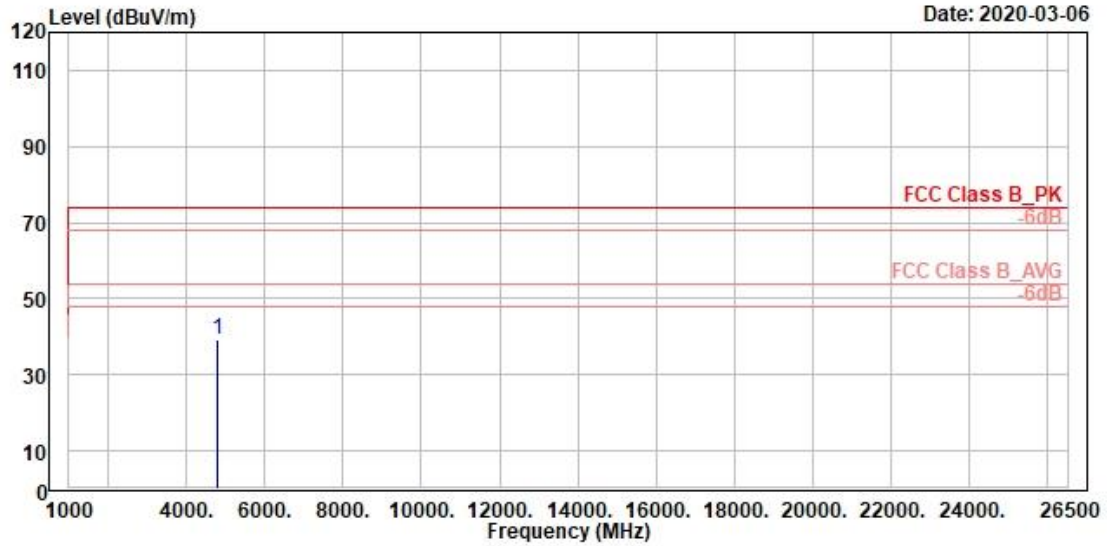


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	44.744	24.47	30.68	-6.21	40.00	-15.53	100	360	QP	vertical
2	94.505	21.16	33.15	-11.99	43.50	-22.34	100	20	QP	vertical
3	162.017	22.09	28.02	-5.93	43.50	-21.41	200	324	QP	vertical
4	548.659	28.58	29.52	-0.94	46.00	-17.42	100	102	QP	vertical
5	736.936	31.21	29.14	2.07	46.00	-14.79	200	294	QP	vertical
6	836.458	32.18	28.87	3.31	46.00	-13.82	200	56	QP	vertical

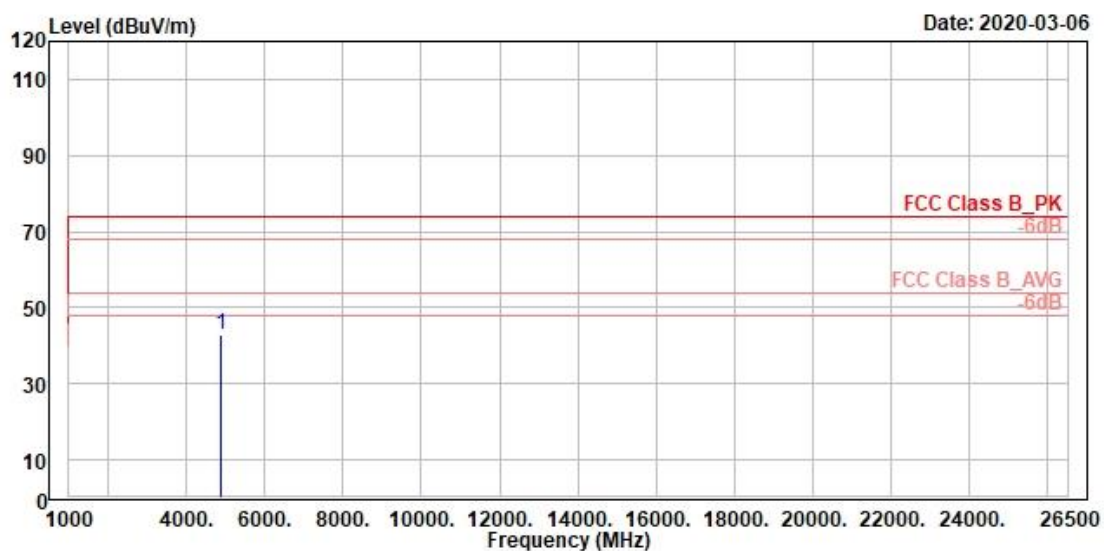
Spurious Emissions, TX Mode, 1GHz-26.5GHz



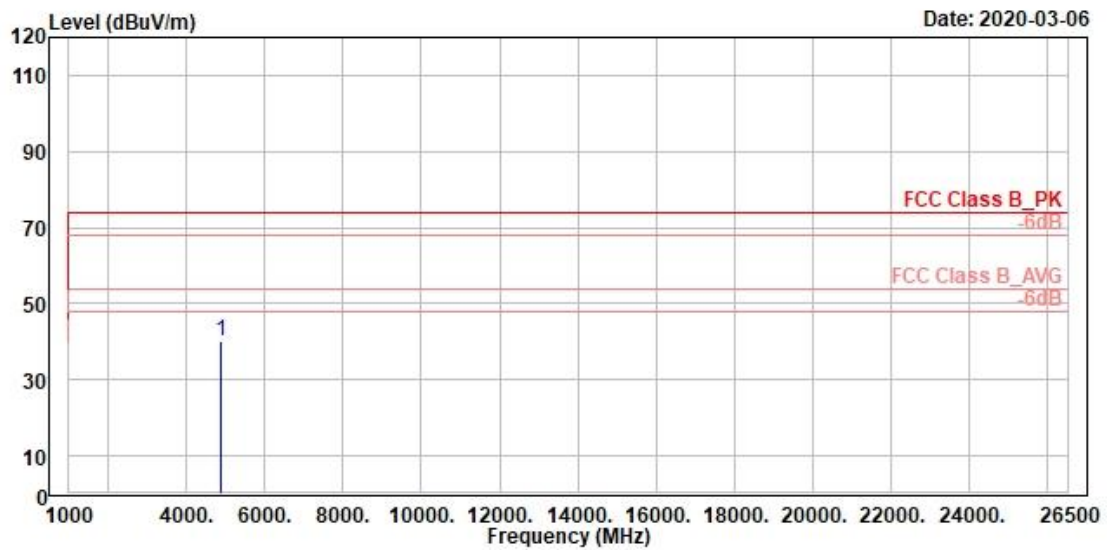
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Tel: +886-2172-1000 Fax: +886-2172-1322



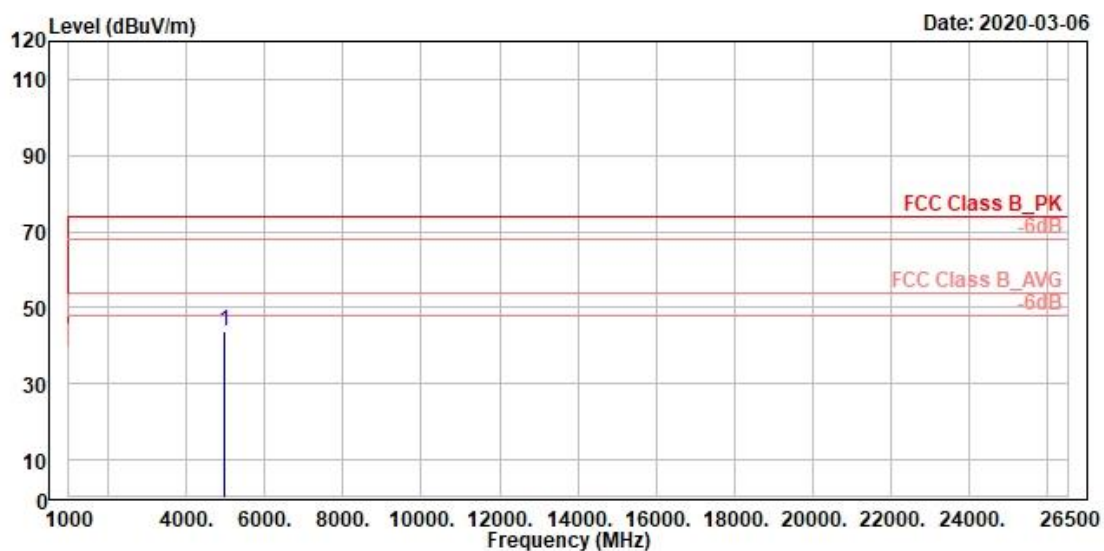
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	39.21	48.65	-9.44	74.00	-34.79	100	30	Peak	vertical



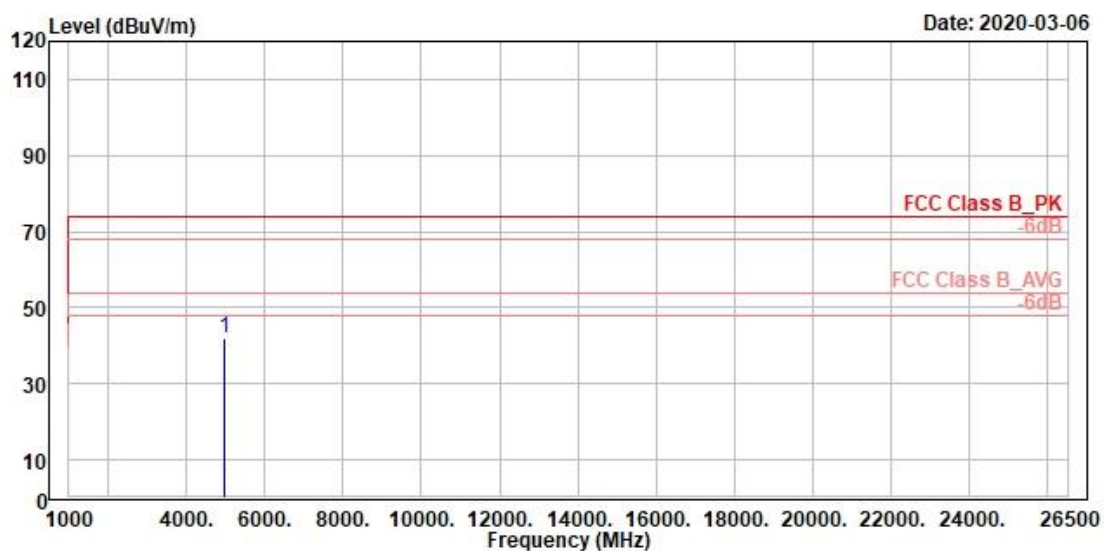
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4880.000	42.72	52.03	-9.31	74.00	-31.28	100	296	Peak	horizontal



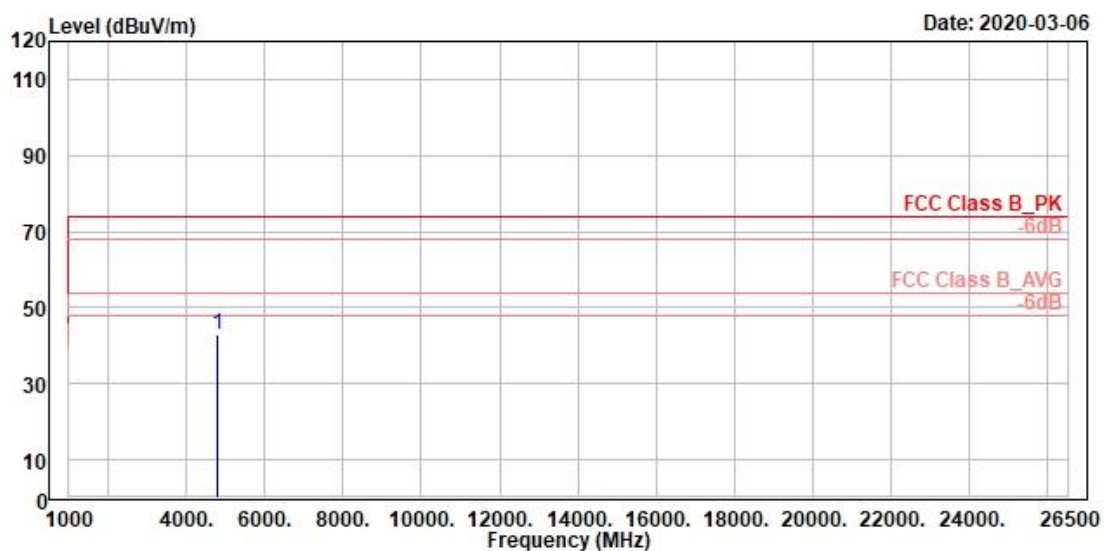
	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4880.000	40.18	49.49	-9.31	74.00	-33.82	400	219	Peak	vertical



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	43.60	52.73	-9.13	74.00	-30.40	100	288	Peak	horizontal



	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	42.12	51.25	-9.13	74.00	-31.88	200	32	Peak	vertical

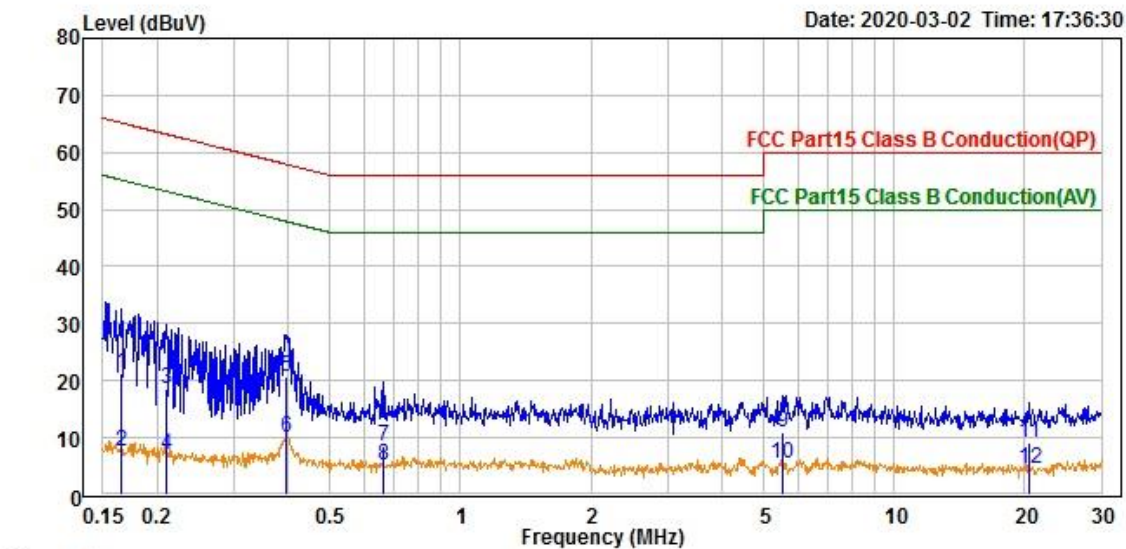


	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	42.69	52.13	-9.44	74.00	-31.31	300	303	Peak	horizontal

Spurious Emissions, AC Mains

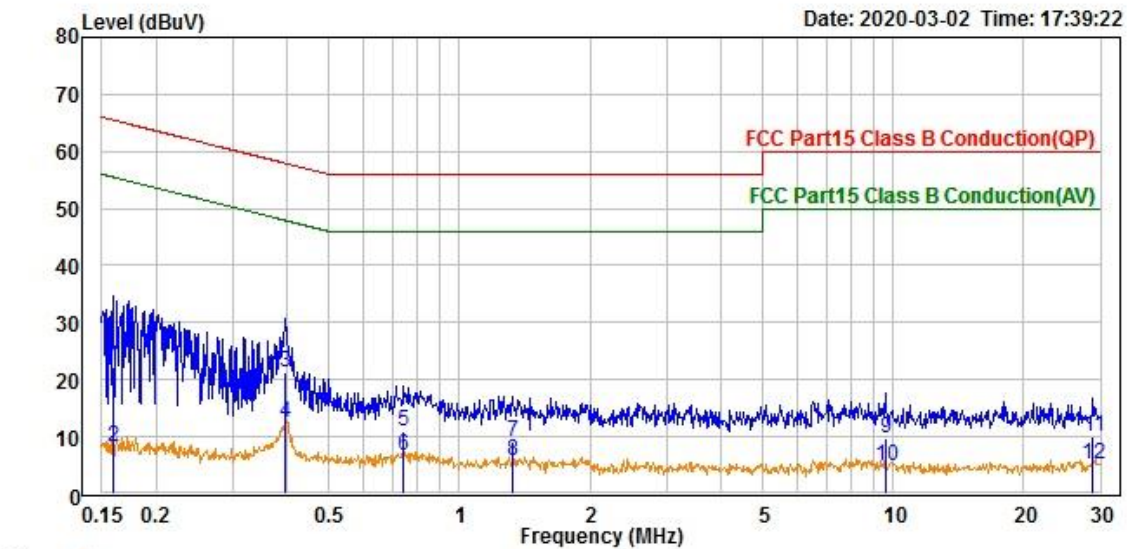


TUV Rheinland Taiwan Ltd.
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 Fax:+886-2528-0018



Trace: 1

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Note
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.166	11.75	9.61	21.36	65.17	-43.81	QP	
2	0.166	-1.90	9.61	7.71	55.17	-47.46	Average	
3	0.211	9.00	9.61	18.61	63.18	-44.57	QP	
4	0.211	-2.53	9.61	7.08	53.18	-46.10	Average	
5	0.396	11.20	9.62	20.82	57.93	-37.11	QP	
6	0.396	0.31	9.62	9.93	47.93	-38.00	Average	
7	0.666	-1.00	9.62	8.62	56.00	-47.38	QP	
8	0.666	-4.40	9.62	5.22	46.00	-40.78	Average	
9	5.510	1.31	9.69	11.00	60.00	-49.00	QP	
10	5.510	-4.29	9.69	5.40	50.00	-44.60	Average	
11	20.438	-0.61	9.79	9.18	60.00	-50.82	QP	
12	20.438	-5.21	9.79	4.58	50.00	-45.42	Average	



Trace: 1

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Note
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.159	12.66	9.62	22.28	65.50	-43.22	QP	
2	0.159	-1.48	9.62	8.14	55.50	-47.36	Average	
3	0.396	11.54	9.63	21.17	57.93	-36.76	QP	
4	0.396	2.69	9.63	12.32	47.93	-35.61	Average	
5	0.743	1.43	9.63	11.06	56.00	-44.94	QP	
6	0.743	-3.04	9.63	6.59	46.00	-39.41	Average	
7	1.324	-0.44	9.63	9.19	56.00	-46.81	QP	
8	1.324	-3.91	9.63	5.72	46.00	-40.28	Average	
9	9.581	0.08	9.74	9.82	60.00	-50.18	QP	
10	9.581	-4.83	9.74	4.91	50.00	-45.09	Average	
11	28.827	0.07	9.84	9.91	60.00	-50.09	QP	
12	28.827	-4.63	9.84	5.21	50.00	-44.79	Average	